Table 6: Evidence table for the 36 papers included to answer sugars/caries question. (Quality score in parentheses).

Cohort Studies:

Authors and Year (Ref. Number)	Baseline Age of Partici- pants	Research Aims	Length of Study	Response Rate	Inclusion/Excl. Criteria	Number at Completion		Comparison Group	Measure of Sugar Intake	Level of Caries Diagnosed	Nature of Caries Diagnosis	Examiner Reliability	Confounders Accounted For?	Measure of Risk	Internally Valid Conclu- sions?	Quality Score
Burt et al, 1988 (18)	11-15 years	General (6)	3 years (5)	55% (5)	Stated (7)	499 (6)	Not given (0)	Concurrent (5)	24 hr (6)	Cavitated (3)	Clinical (3)	"Standardized" (5)	Stratified (7)	Not given (0)	Stated, supported (6)	66
Frostell et al, 1991 (24)	4 years	General (6)	2 years (2)	61% (5)	Implied (3)	114 (2)	Not	Concurrent (5)	Self-report,	Noncav+cav (4)	Clin.+X-ray (5)	Not stated (0)	Multivariate (8)	Not given (0)	Implied, supported (5)	59
Grindefjord et al, 1995 (29)	1 year	General (6)	2.5 years (3)	72% (6)	Stated (5)	786 (8)	Not	Concurrent (5)	"Interview" (3)	Noncav+cav (4)	Clinical (3)	Correl coeff (7)	Multivariate (8)	OR (6)	Stated, supported (8)	72
Grindefjord et al, 1996 (30)	3.5 years	General (6)	2.5 years (3)	84% (6)	Stated (5)	692 (6)	Not	Concurrent (5)	"Interview" (3)	Noncav+cav (4)	Clinical (3)	Correl coeff (7)	Multivariate (8)	OR (6)	Stated, supported (8)	70
MacEntee et al, 1993 (46)	>65 years	General (6)	1 year (1)	76% (6)	Implied (3)	156 (3)	20% (5)	Concurrent (5)	FFQ (6)	Cavitated (3)	Clinical (3)	"Standardized" (5)	Multivariate (7)	OR (6)	Stated, supported (8)	67
Mattila et al, 1998 (52)	3-5 years	General (5)	5 years (6)	64% (5)	Not given (0)	741 (5)	18% (5)	Concurrent (5)	"Interview" (3)	Cavited (3)	Clinical (3)	Kappa (6)	Multivariate (8)	OR (6)	Stated, supported (8)	70
Mattila et al, 2000 (53)	5 years	General (6)	5 years (6)	64% (5)	Implied (3)	741 (5)	18% (5)	Concurrent (5)	Interview (3)	Cavitated (3)	Clinical (3)	Not given (0)	Multivariate (8)	OR (6)	Stated, supported (8)	60
Rodrigues et al, 1999 (62)	3 years	Hypothesis (10)	1 year (1)	Not stated (0)	Not given (0)	510 (5)	Not	Concurrent (5)	3-day (6)	Cavitated (3)	Clinical (3)	Not stated (0)	Multivariate (8)	OR (6)	Stated, supported (10)	57
Rugg-Gunn et al, 1984 (65)	mean 11yrs 7 mos.	General (6)	2 years (3)	59% (6)	Implied (2)	405 (6)	15% (6)	Correlation only (4)	Self-report validated (5)	Noncav+Cav (6)	Clin+x-rays (6)	Not stated (1)	Multivariate (10)	Correlation (4)	Stated, supported (10)	75
Sundin et al, 1992 (74)	15	General (6)	3 years (6)	81% (6)	Implied (3)	69 (1)	8% (6)	Concurrent (6)	Interview (7)	Noncav+Cav (6)	X-rays only (3)	Percent Agree (5)	Stratified (7)	Not given (2)	Stated, not supported (2)	66

Wendt and Birkhed, 1995 (78)	1 year	General (5)	3 years (6)	90+% (6)	Not given (2)	593 (6)	<10% (6)	Concurrent (6)	Interview (7)	Noncav+Cav (6)	Clin+X-rays (5)	Not stated (0)	Stratified (8)	Not given (0)	Stated, supported (8)	71
Wilson and Ashley, 1989 (79)	11 to 12	Hypothesis (7)	3 years (6)	Not stated (0)	Not given (2)	83 (2)	17% (6)	Concurrent (6)	Interview (3)	Cav (3)	Clinical (3)	Not stated (0)	Multivariate (8)	Correlation (4)	Stated, supported (9)	59

Table 6: Evidence table for the 36 papers included to answer sugars/caries question

Case-Control Studies:

Authors and Year (Ref. Number)	Age of Participants	Research Aims	Number of Controls	Nature of Controls	Inclusion/Excl. Criteria	Measure of Sugar Intake	Level of Caries Diagnosed	Nature of Caries Diagnosis	Examiner Reliability	Confounder Accounted For?	Measure of risk	Internally Valid Conclusions?	Quality Score
Faine et al, 1992 (22)	48-78 years	General (8)	20 (5)	Age/sex matched (6)	Stated (7)	FFQ interview (8)	Clinical only (3)	Cavitated (3)	Percent agreement (5)	Not stated (0)	Correlation (5)	Stated, supported (9)	59

Table 6: (continued)

Cross-Sectional Studies:

Table 6 (continued): Cross-sectional studies

Authors and Year (Ref. Number)	Age of Participants	Research Aims	Number of Participants	Response Rate	Inclusion/Excl. Criteria	Comparison Group	Measure of Sugar Intake	Level of Caries Diagnosed	Nature of Caries Diagnosis	Examiner Reliability	Control of Confounders	Measure of Risk	Internally Valid Conclusions	Quality Score
Angelillo et al, 1999 (12)	12 years	General (8)	1,015 (8)	85% (6)	Stated (5)	Concurrent (6)	"Questionnaire" (3)	Cavitated (3)	Clinical (3)	Not stated (0)	Multivariate (8)	OR (7)	Stated, supported (10)	60
Arnadottir et al, 1998 (13)	14 years	General (7)	150 (2)	98% (7)	Implied (3)	Concurrent (6)	24-hr recall (6)	Noncav+Cav (6)	Clinical (3)	Карра (7)	Multivariate (8)	OR (7)	Stated, supported (9)	72
Beighton et al, 1996 (14)	12 years	General (5)	328 (6)	85% (6)	Not stated (0)	Concurrent (6)	3-day, FFQ (7)	Noncav+Cav (5)	Clinical (3)	Not stated (0)	Multivariate (8)	OR, correl (6)	Stated, supported (10)	62
Faggiano et al, 1999 (20)	11-12 years	General (8)	734 (7)	83% (7)	Stated (5)	Concurrent (6)	FFQ (6)	Cavitated (4)	Clinical (3)	Карра (7)	Multivariate (9)	OR (7)	Stated, supported (8)	77
Freeman et al, 1997 (23)	5 years	General (9)	240 (4)	68% (6)	Implied (4)	Concurrent (6)	"Interview" (3)	Cavitated (4)	Clinical (3)	Карра (7)	Multivariate (8)	OR (6)	Implied, supported (6)	66
Garcia- Closas et al, 1997 (25)	6-15 years	General (10)	236 (4)	Not stated (0)	Implied (4)	Concurrent (6)	FFQ/Interview (8)	Cavitated (4)	Clinical (3)	Карра (7)	Multivariate (11)	OR (7)	Stated, supported (10)	74
Gibson and Williams, 1999 (26)	1.5 - 4.5 years	General (7)	1,450 (8)	86% (6)	Implied (4)	Concurrent (6)	4-day weighted (8)	Cavitated (4)	Clinical (3)	Not stated (0)	Multivariate (9)	Not stated (1)	Implied, supported (7)	63

	(2)	2,024 (8)	Not stated (0)	Stated (5)	Concurrent (6)	FFQ (5)	Cavilaled (3)	Clinical (3)	Not stated (0)	Stratified (8)	AR (6)	Stated, supported (9)	55
2 - 3 years	General (10)	406 (7)	Not stated (0)	Not stated (0)	Concurrent (6)	FFQ (6)	Cavitated (4)	Clinical (3)	Percent agree (5)	Multivariate (9)	OR (6)	Stated, not supported (2)	58
4 years	General (9)	2,139 (8)	86% (7)	Not stated (0)	Concurrent (6)	FFQ (6)	Cavitated (4)	Clinical (3)	Карра (7)	Multivariate (9)	Not stated (1)	Stated, supported (10)	70
9-29 years	General (6)	3,194 (8)	NHANES I (6)	NHANES I (5)	Concurrent (6)	24-hr (6)	Cavitation (4)	Clinical (3)	Standardized	Multivariate (10)	OR (7)	Stated, supported (12)	79
15 years	General (6)	6,014 (8)	62-98% (7)	Implied (3)	Concurrent (6)	"Interview" (3)	Cavitated (4)	Clinical (3)	Not stated (0)	Multivariate (8)	OR (8)	Implied, supported (7)	63
5, 9, 13 years	General (6)	543 (8)	95% (7)	Stated (5)	Concurrent (6)	24-hr recall (6)	Cavitated (3)	Clinical (3)	Not stated (0)	Stratified (8)	AR (6)	Implied, supported (9)	67
13, 35-44 yr	General (7)	492 (6)	93% (7)	Implied (3)	Concurrent (6)	24-hr (6)	Cavitated (3)	Clinical (3)	Карра (7)	Multivariate (8)	OR (6)	Implied, supported (6)	68
Adults	General (8)	294 (3)	87% (6)	Stated (5)	Concurrent (5)	7-day diary (8)	Cavitated (4)	Clinical (3)	Not stated (0)	Not stated (0)	Correlation (4)	Stated, supported (9)	55
Adults	General (10)	376 (6)	45% (5)	Stated (6)	Concurrent (6)	24-hr (8)	Cavitated (4)	Clinical (6)	"Standardized"	Multivariate (10)	RR (6)	Stated, not supported (2)	72
14 years	General (8)	241 (3)	90% (7)	Implied (3)	Concurrent (6)	"Interview" (3)	Noncav+Cav (5)	Clin.+X- rays (6)	Not stated (0)	Multivariate (8)	OR (6)	Stated, supported (9)	64
5,	4 years 9-29 years 15 years , 9, 13 years Adults Adults	4 years General (9) 9-29 years General (6) 15 years General (6) 7, 9, 13 years General (6) Adults General (8) Adults General (10)	4 years General (9) 2,139 (8) 9-29 years General (6) 3,194 (8) 15 years General (6) 6,014 (8) , 9, 13 years General (6) 543 (8) Adults General (7) 492 (6) Adults General (8) 294 (3) Adults General (10) 376 (6)	4 years General (9) 2,139 (8) 86% (7) 9-29 years General (6) 3,194 (8) NHANES I (6) 15 years General (6) 6,014 (8) 62-98% (7) , 9, 13 years General (6) 543 (8) 95% (7) Adults General (7) 492 (6) 93% (7) Adults General (8) 294 (3) 87% (6) Adults General (10) 376 (6) 45% (5)	4 years General (9) 2,139 (8) 86% (7) Not stated (0) 9-29 years General (6) 3,194 (8) NHANES I (6) 15 years General (6) 6,014 (8) 62-98% (7) Implied (3) , 9, 13 years General (6) 543 (8) 95% (7) Stated (5) 13, 35-44 yr General (7) 492 (6) 93% (7) Implied (3) Adults General (8) 294 (3) 87% (6) Stated (5) Adults General (10) 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(4) Adults General (8) 241 (3) 90% (7) Implied (3) Concurrent (6) Cavitated (4)	4 years General (9) 2,139 (8) 86% (7) Not stated (0) Concurrent (6) FFQ (6) Cavitated (4) Clinical (3) 9-29 years General (6) 3,194 (8) NHANES I NHANES I (5) Concurrent (6) Cavitation (4) Clinical (3) 15 years General (6) 6,014 (8) 62-98% (7) Implied (3) Concurrent (6) Cavitated (4) Clinical (3) 9, 13 years General (6) 543 (8) 95% (7) Stated (5) Concurrent (6) Cavitated (6) Cavitated (7) Clinical (8) Concurrent (7) Concurrent (8) Cavitated (9) Clinical (9) Concurrent (8) Cavitated (9) Clinical (9) Concurrent (8) Cavitated (9) Clinical (9) Concurrent (9) Cavitated (10) Clinical (10) Concurrent (10) C	(10) (0) (6) (6) (5) (5) (6) (6) (6) (6) (7) (6) (7) (7) (7) (8) (8) (8) (7) (8) (8) (7) (8) (8) (8) (7) (8) (8) (8) (7) (8) (8) (8) (7) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8	(10) (0) (6) (6) (5) (6) (6) (7) (6) (7) (6) (7) (8) (7) (8) (8) (7) (8) (8) (7) (8) (8) (8) (7) (8) (8) (8) (7) (8) (8) (8) (8) (7) (8) 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Mattos- Graner et al, 1998 (54)	2.5 years	General (10)	142 (2)	75% (7)	Stated (5)	Concurrent (6)	FFQ (6)	Noncav+Cav (5)	Clinical (3)	Карра (7)	Not mentioned (1)	Not stated (1)	Implied, supported (5)	58
Papas et al, 1995 (56)	47 to 83	General (6)	237 (3)	13-57% (5)	Stated (6)	Correlational (4)	Self-report (5)	Cavitated (3)	Clinical only (4)	"Training" (3)	Multivariate (9)	Correlation (4)	Stated, supported (9)	61
Petti et al, 1997 (60)	18 years	General (7)	762 (8)	Not stated (0)	Stated (6)	Correlation study (4)	Interview (6)	Cavitated (3)	Clinical + X-rays (5)	"Training" (3)	Multivariate (8)	OR (6)	Stated, supported (9)	65
Serra Majem et al, 1993 (66)	5 to 14	General (8)	1,000 (8)	Not stated (0)	Not stated (0)	Correlational (4)	Self-report (4)	Cavitated (3)	Clinical only (4)	Percent agree (5)	Recognized (7)	OR (7)	Stated, supported (10)	60
Stecksen- Blicks and Holm, 1995 (71)	4 years	General (7)	249 (4)	90% (7)	Not stated (3)	Concurrent (6)	Interview (3)	Noncav+Cav (4)	Clin + X- rays (6)	Percent agree (4)	Multivariate (8)	Not stated (1)	Implied, supported (5)	58
Sundin et al, 1983 (73)	15 years	General (8)	82 (1)	Not stated (0)	Not stated (4)	Concurrent (7)	Interview (3)	Noncav+Cav (5)	X-rays (6)	Percent agree (5)	Stratified (9)	Not given (2)	Stated, supported (9)	59